



A.H. Hoffman, Inc.
p.o.Box 290
Lancaster, NY 14086

Date: June 1, 2000
MSDS Number: SP 66005 (c)
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MATERIAL SAFETY DATA SHEET

TRIPLE SUPERPHOSPHATE (0-46-0)

SECTION I - IDENTIFICATION

Triple Superphosphate
Product #66005

Manufactured by: AH Hoffman, Inc.
167 Greenfield Road
Lancaster, PA 17605

Product Name: Granular Triple Superphosphate

CAS No.: 65996-95-4

Chemical Family: Inorganic Salt

Molecular Weight: Not Applicable

Chemical Name: Not Applicable

Formula: $\text{Ca}(\text{H}_2\text{PO}_4)_2 \cdot \text{H}_2\text{O}$

DOT Class - Not Regulated by Department of Transportation

SECTION II - COMPOSITION

HAZARDOUS INGREDIENTS

Free Acid (As H_3PO_4)

%

2 - 4

CAS NO.

7664-38-2

Fluorides, as F

2.0 - 2.2

-

NOTE: Contains phosphoric acid, which is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR Part 372.

SECTION III - PHYSICAL DATA

Melting Point:

Not Applicable

Bulk Density, loose:

70 lbs/ft³

Vapor Pressure, mm Hg:

Not Applicable

Percent Volatile:

Not Applicable

Solubility in Water:

Appreciable

pH 1% Slurry:

3.1 to 3.2

Appearance and Odor:

Gray to brown granules, typical fertilizer odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point:

Not Applicable

Flammable Limits:

Not Applicable

Granular Triple Superphosphate is a non-flammable inorganic salt. It will not support combustion. When subjected to temperature above 1800°F as in a fire, it may release small amounts of toxic and/or irritating fluorides, sulfur oxides, and phosphorus oxides.



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SECTION V - REACTIVITY DATA

Stability: Granular Triple Superphosphate is stable under all normal conditions.

Incompatibility (Materials to Avoid): None

Hazardous Polymerization: Will not occur.

SECTION VI - HEALTH HAZARD DATA

OSHA Permissible Exposure Limit or ACGIH TLV - None established. We suggest the OSHA nuisance dust limit of 15 mg/m^3 or the ACGIH TLV of 10 mg/m^3 of air for an eight-hour time-weighted-average.

Granular Triple Superphosphate is not considered to be a cancer-causing material by OSHA, NIOSH, or IARC.

Routes of Entry: lungs (breathing), ingestion (swallowing)

Effects of Overexposure:

Short Term: May cause irritation of the nose, throat or eyes due to the small amount of free phosphoric acid contained.

Long Term: No information found. As with any inorganic dust, long-term inhalation of dust concentrations higher than recommended Permissible Exposure Limits may cause delayed lung injury. None found.

Toxicity Data:

First Aid:

Eyes: Flush thoroughly with water, including under the eyelids. See a physician if discomfort or irritation persists.

Skin: Wash with water.

Inhalation: Remove to fresh air. Get medical attention if discomfort persists.

Ingestion: Give large amounts of water and then cause vomiting. See a physician as soon as possible if a large amount of granular triple superphosphate is swallowed.

SECTION VII - SPILL, LEAK AND DISPOSAL INFORMATION

Steps to Be Taken in Case Material Is Released or Spilled:

Granular Triple Superphosphate is used as a plant food. However, large spills can kill vegetation. If uncontaminated, sweep up or collect, and reuse as product. If contaminated with other materials, collect in suitable containers.

Waste Disposal Method:

Uncontaminated material can generally be disposed of by burial in an approved land disposal facility, in accordance with applicable federal, state, and local regulations. Depending upon type and extent of contamination, if any, other disposal methods may be required by environmental regulatory agencies.



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SECTION VIII - SPECIAL PROTECTION INFORMATION

<u>Respiratory Protection:</u>	If dust concentrations exceed recommended exposure limit, use NIOSH-approved respirators, with approval TC-21C-xxx, until feasible engineering controls are completed.
<u>Eye Protection:</u>	If high dust concentrations exist, tight-fitting goggles are recommended to reduce dust exposure to the eyes.
<u>Ventilation:</u>	Local exhaust or other ventilation that will reduce dust concentrations to less than the recommended exposure limit.
<u>Other Protective Equipment:</u>	Optional

SECTION IX - SPECIAL PRECAUTIONS

Persons with sensitive skin should wear protective clothing such as long sleeves and gloves.

Manufacturer's Notice

The information contained herein is based on the data available to us and is believed to be correct. However, Hoffman makes no warranty, expressed or implied, concerning the accuracy or completeness of this information. Hoffman assumes no responsibility for injury to vendee or third parties from the use of the product described herein.